

Our Erasmus+ experience in Germany

Stredná priemyselná škola Dubnica nad Váhom

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Vitalis Gut Wehlitz Schkeuditz

EUROPEAN
PROJECTS
VITALIS



Funded by
the European Union



What is

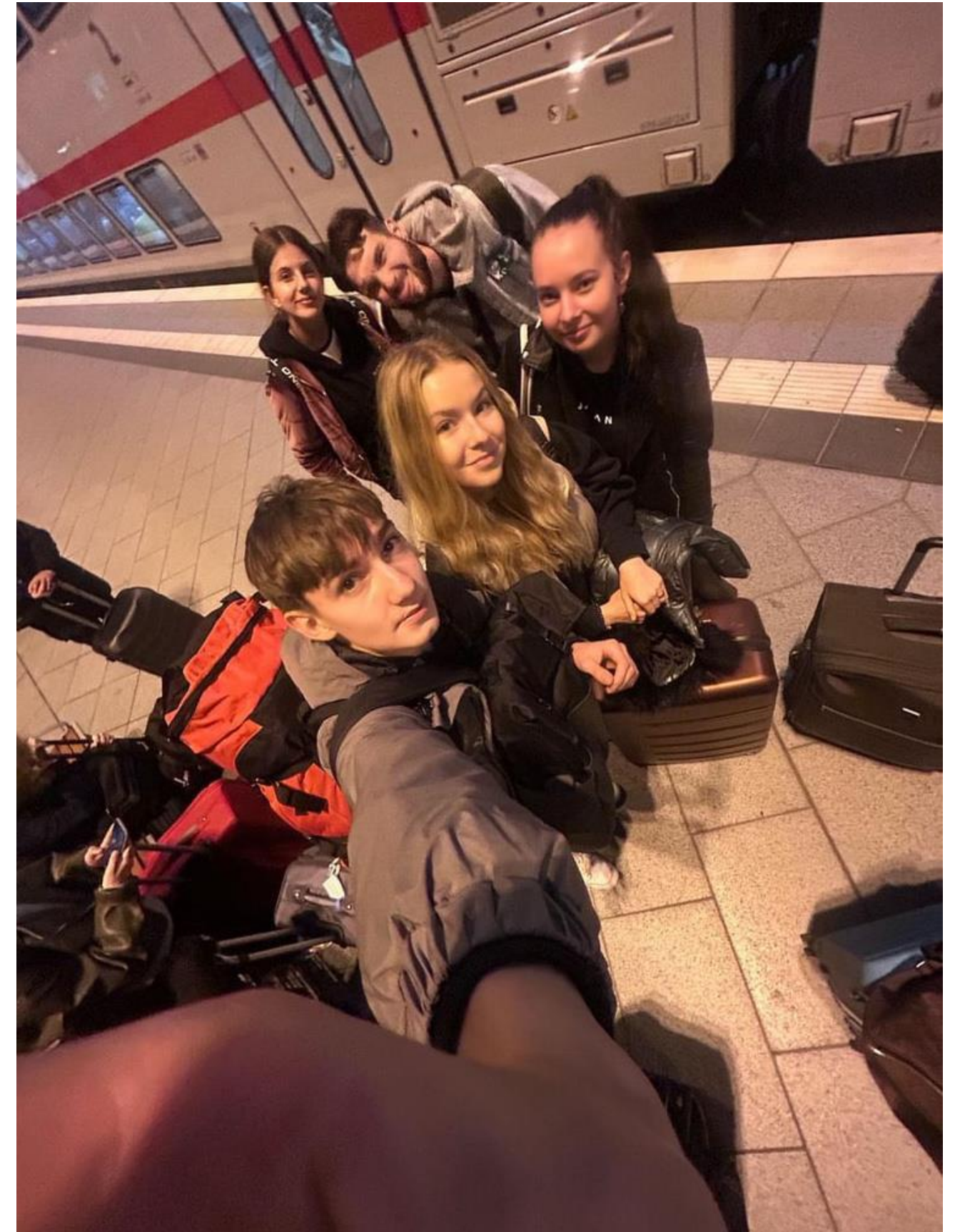
Erasmus+?

Erasmus plus is a European Union programme that aims to promote international student exchange between European universities. The main objective is to promote the mobility of the youth (training students, university students, young people on internships, teachers, volunteers, etc.).



Start of our journey

Our trip began on Sunday, October 29, 2023. It all started early in the morning when we hopped on the first train to Bratislava. After that, we took the second train to Dresden. Later in the evening, we arrived in Leipzig and got on the local metro to Schkeuditz. From there, a teachers drove us to the Vitalis campus. We had dinner and then went to sleep.



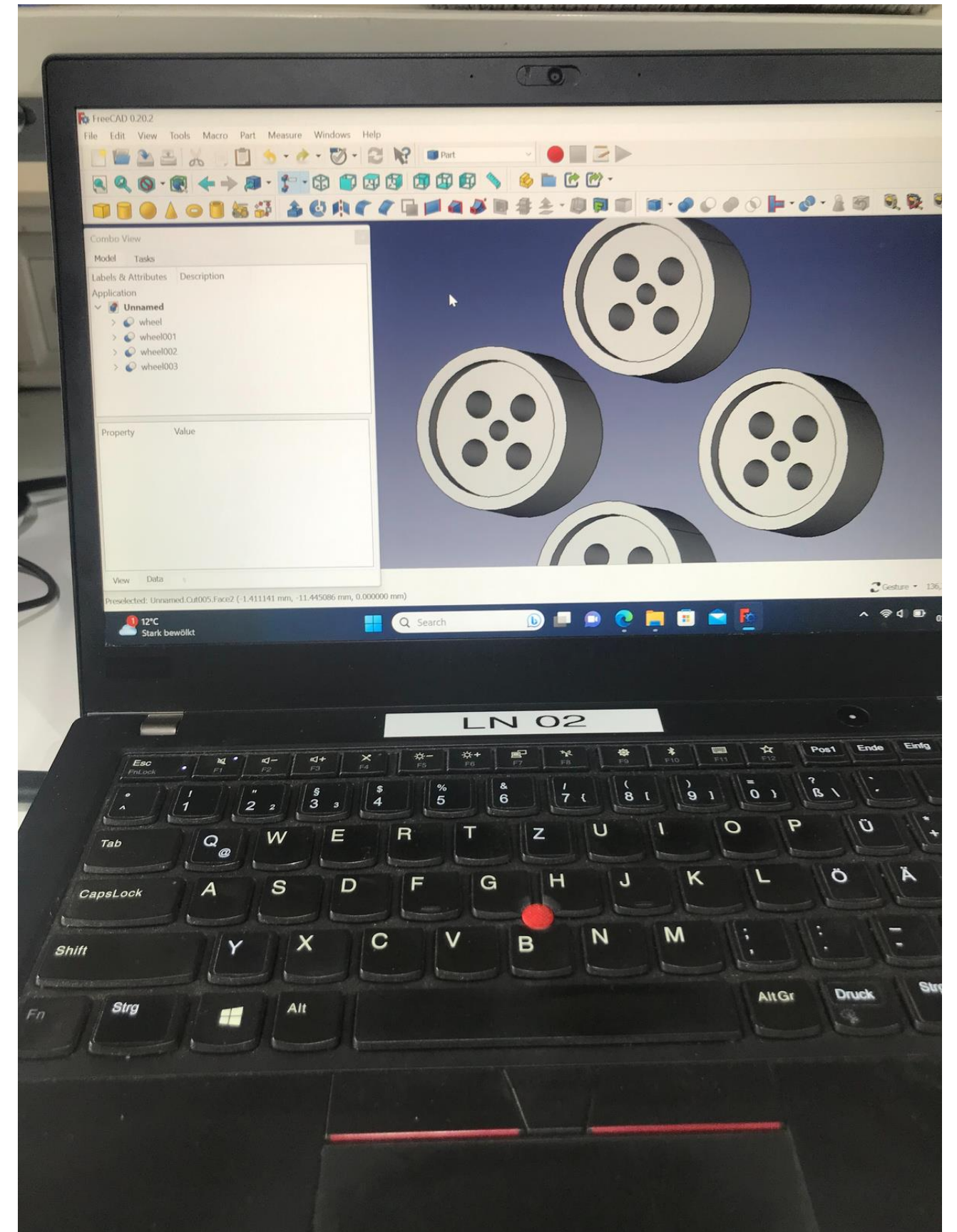
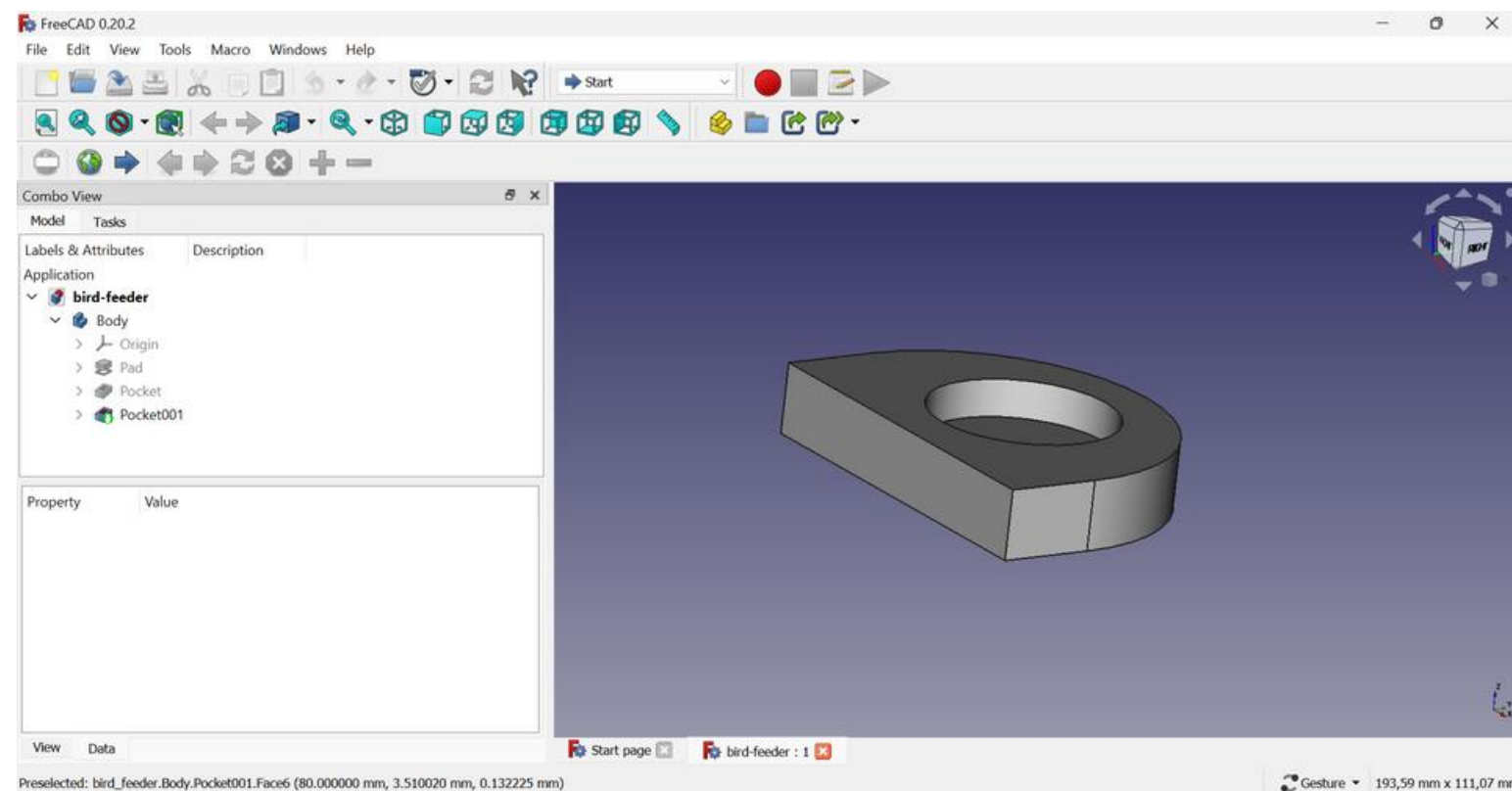
Accommodation

Our Erasmus accommodation where we stayed for 2 weeks was at Vitalis' headquarters, the elegant Gut Wehlitz manor in Schkeuditz, 12km from Leipzig city center. Everything we needed was right there. A comfortable spaces, dinning hall, club, spots to chill out and practical centers (workshops).



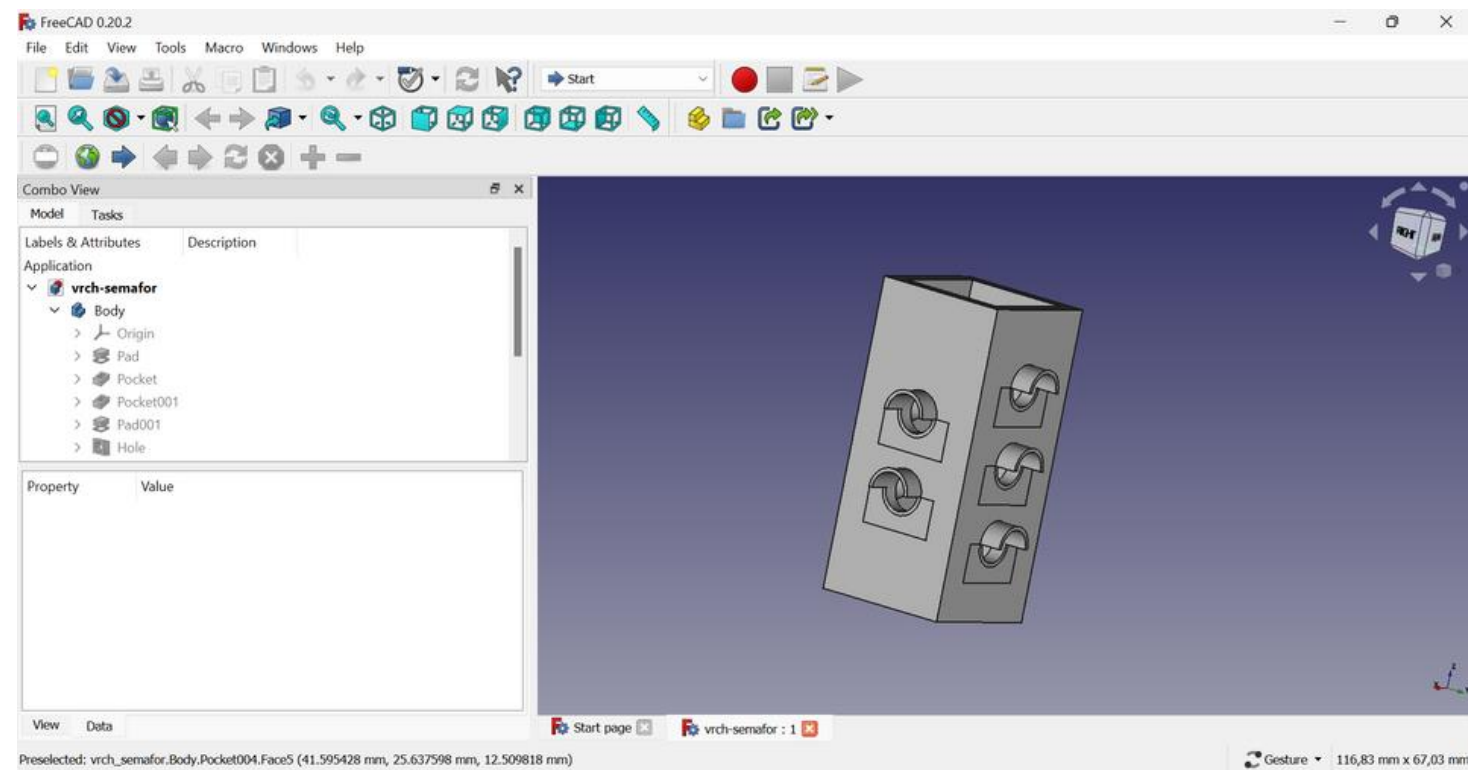
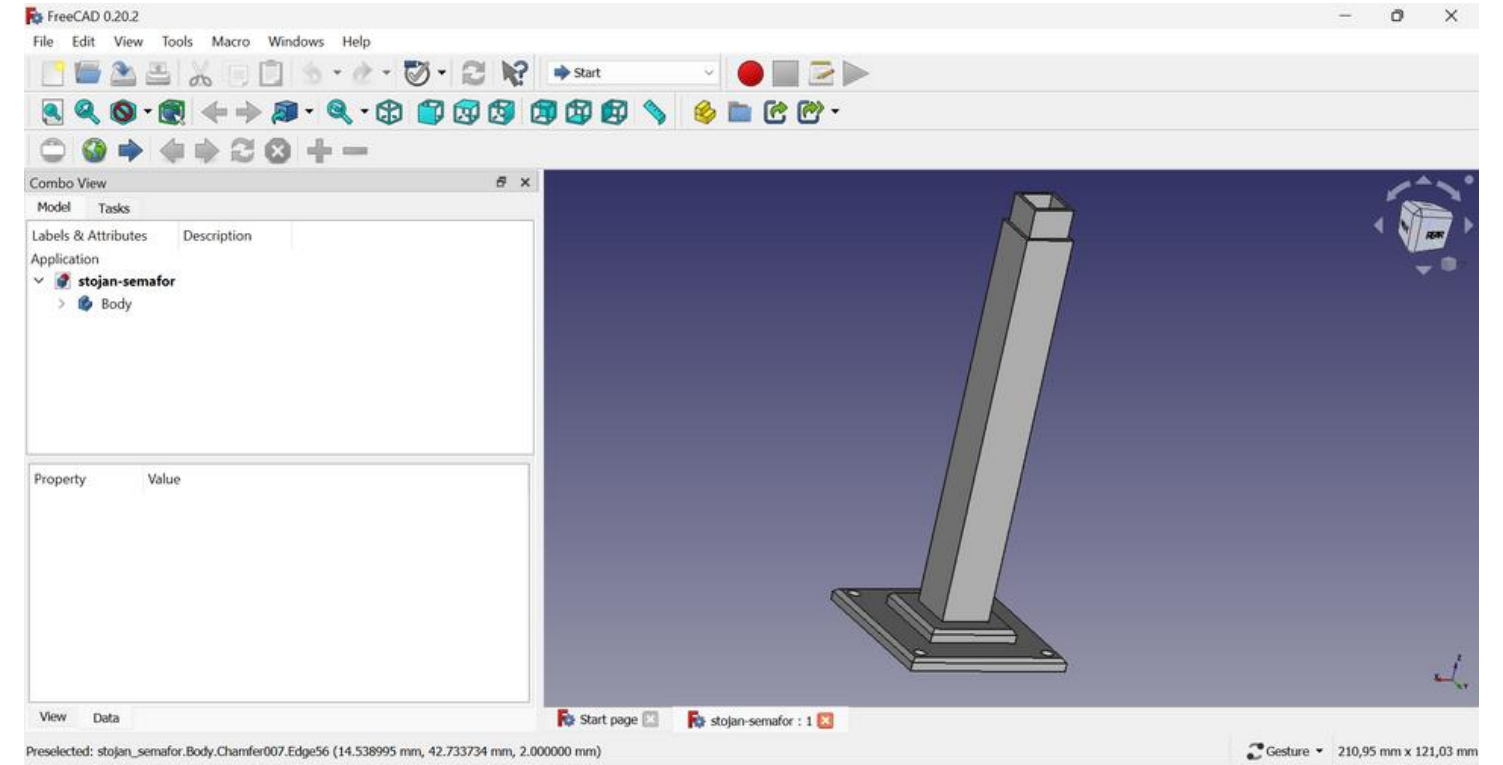
Work in workshop

We started our work with getting familiar with our first program FreeCAD, where we learned the basics of 3D modeling and applied our knowledge to create 3D models, including a toy car wheel and a bird feeder.

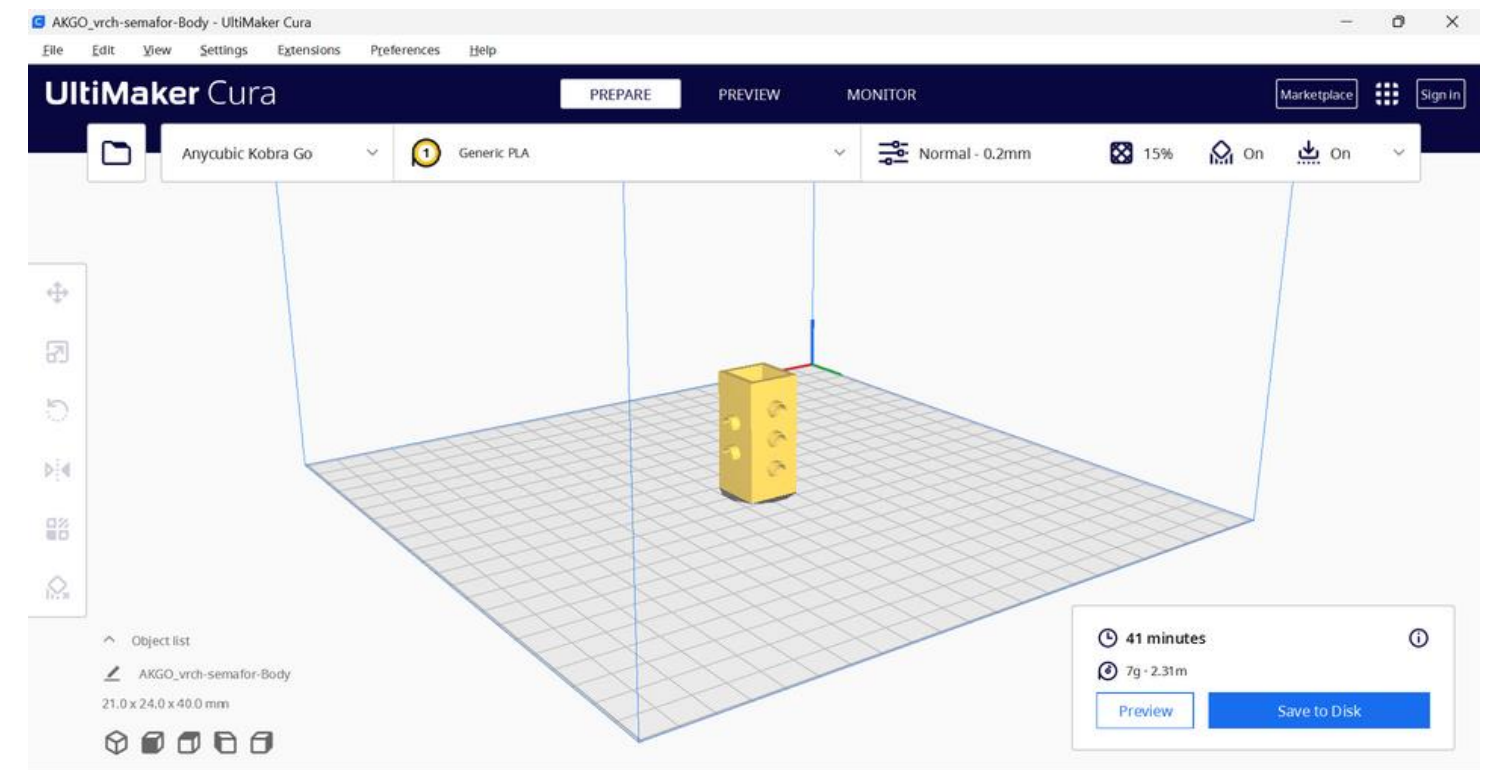


After that, we were ready to start our mini project “Intersection”. Designing a 3D model of a traffic light using FreeCAD.

Then, using a new program named UltiMaker Cura, where we prepared the traffic light for 3D printing.



FreeCAD



UltiMaker Cura

While our traffic lights were printing we were focused on soldering LEDs and wiring for the traffic lights.

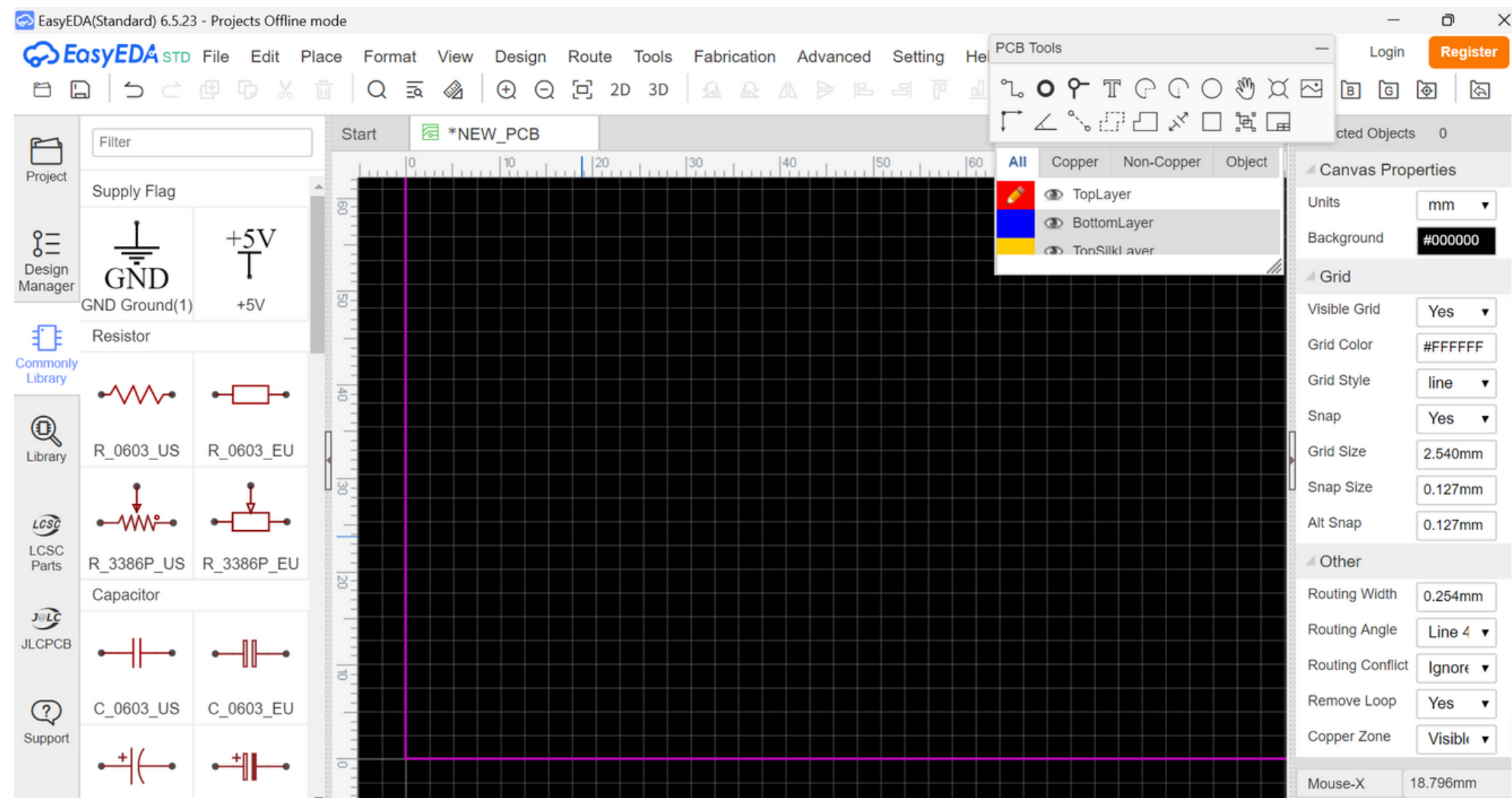


3D printing



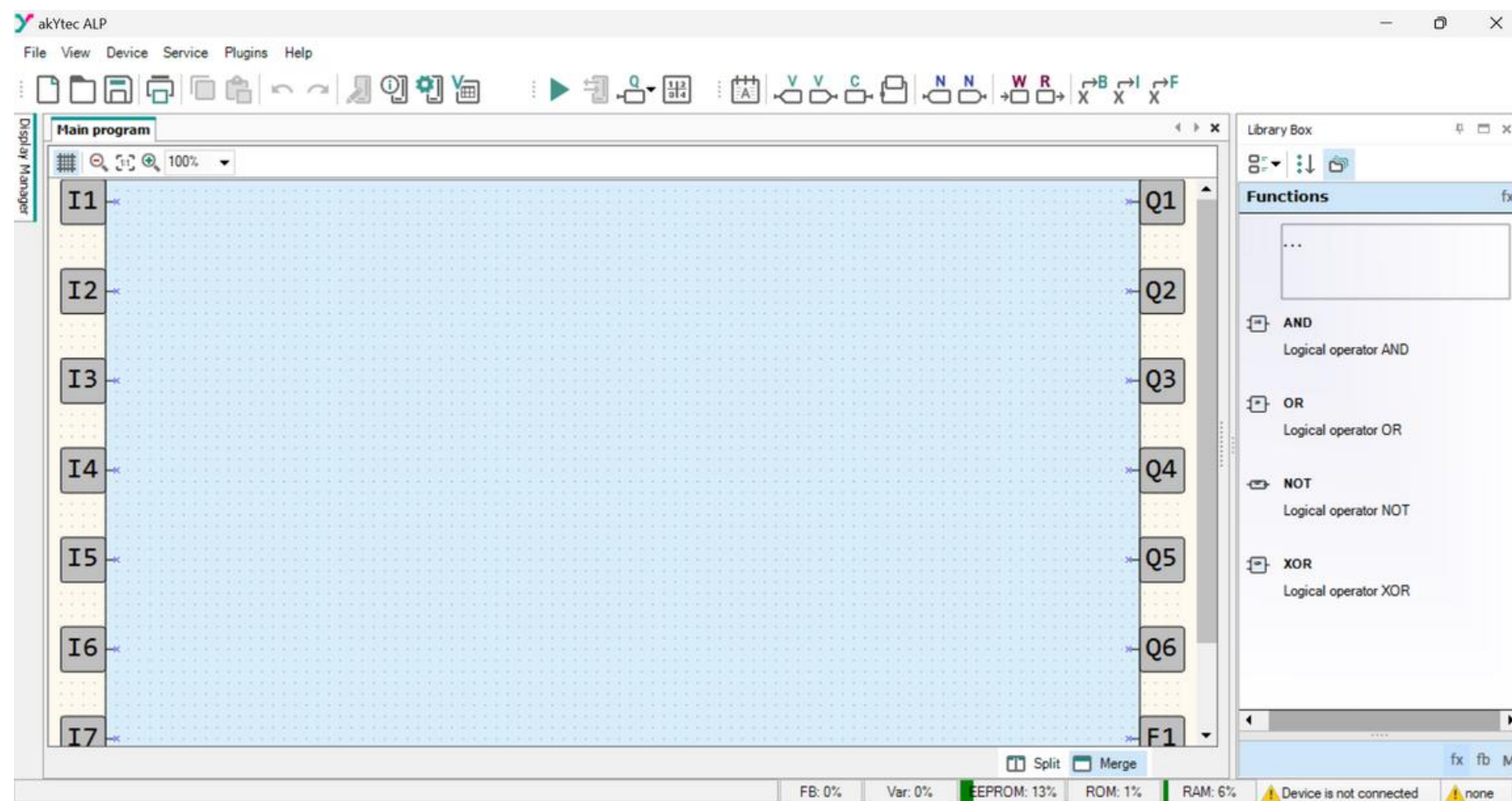
Soldering LEDs to wires

The next phase involved working on the design of PCBs for the traffic lights using the EasyEDA Program.



EasyEDA
A

Following that, we assembled the traffic lights, handing them over to the teacher for placement on the PCB board. Simultaneously, we worked on creating a more complex algorithm in the akYtec ALP program for realistic intersection behavior.



akYtec ALP



Assembled traffic light

Once the traffic lights were ready, we placed them on the prepared table showcasing the intersection. We checked functionality and added aesthetic elements like a bench, trash can, and street light to enhance the project.



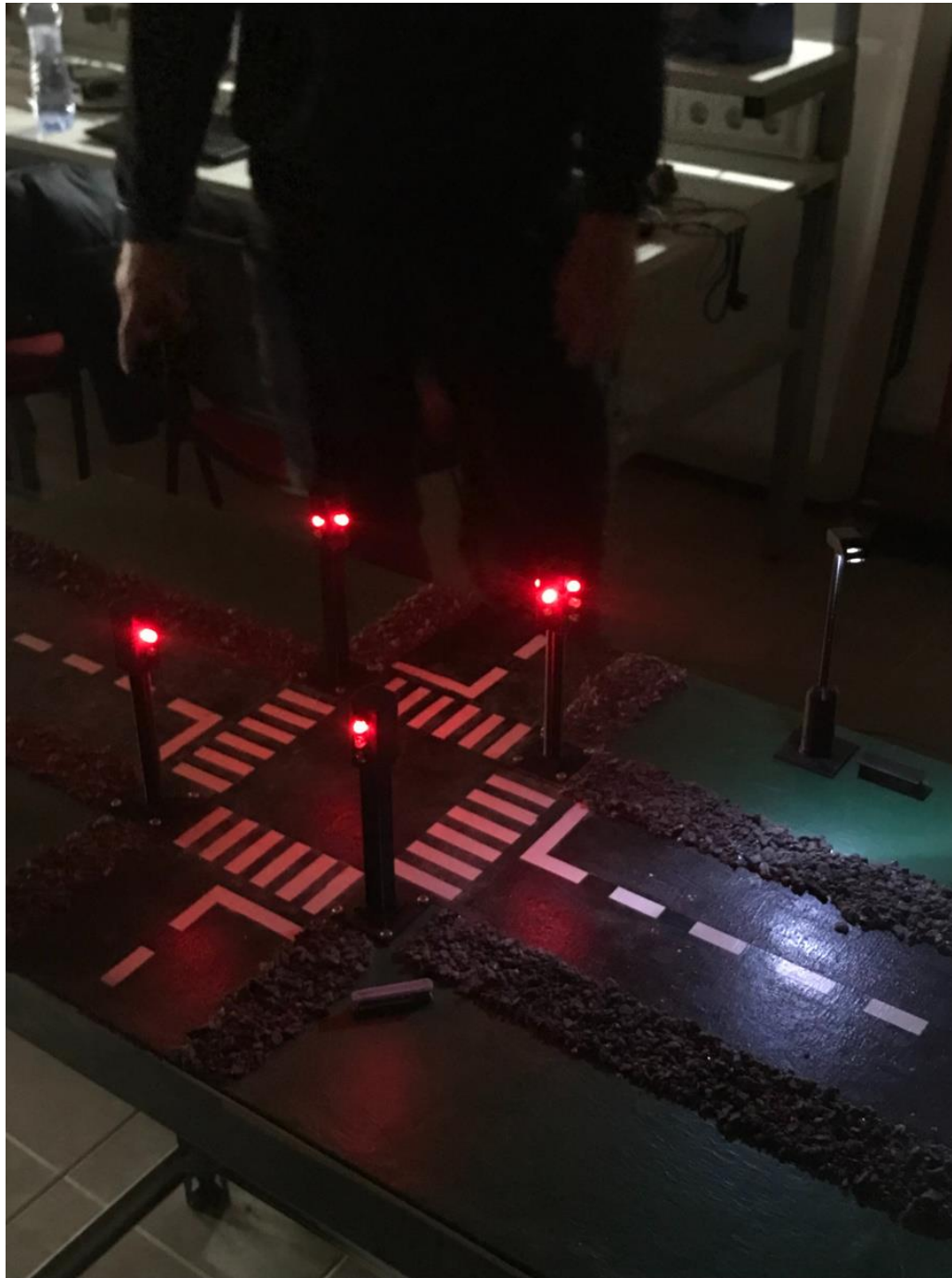
*In
progress*

enhance the project.



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The Final Look



Trips

During our Erasmus experience, we had the opportunity to explore various cities, creating lasting memories. Our first excursion took us to Leipzig, providing a guided city tour. Later, we went on a day trip to Dresden, where we enjoyed a guided tour of the city and its monuments. The highlight of our experience was the weekend trip to Berlin. After a city tour, shopping, and exploring a famous car garage, we continued the excursion the next day, visiting more interesting places, including a museum. These excursions not only offered cultural enrichment but also allowed us to unwind and bond as a group, enhancing the overall Erasmus experience.



Leipzig



Dresden



Berlin



As we concluded the Erasmus program, we received our certificates, symbolizing the successful completion. This journey has not only equipped us with valuable technical skills but has also left us with cherished memories and enduring friendships. Our sincere gratitude to everyone who contributed to making this Erasmus adventure unforgettable. As we leave, we carry knowledge, cultural experiences, and lasting bonds from this chapter of our lives.



**Thank you for being a part of our
Erasmus story!**

